09/422803

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IN THE UNITED STATES PATENT-AND TRADEMARK OFFICE

In re application of

Edwin Southern

Serial No. NEW

Filed October 22, 1999

Attn: Application Branch

Attorney Docket No.

00263/PP/IR/7644 US-DIV-2

ANALYSING POLYNUCLEOTIDE SEQUENCES (Rule 1.53(b) Divisional of Serial No. 08/925,676, Filed September 9, 1997)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, DC 20231

Sir:

Pursuant to the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, Applicant requests consideration of (X) the references listed on the attached Form PTO-1449 and/or () the additional information identified below in paragraph 4. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 08/925,676.

- 1. This Information Disclosure Statement is submitted:
 - a. (X) within 3 months of the filing date of the above-identified application, or
 () within 3 months of entry into National stage prosecution of an International application, or () before the mailing date of the first Office Action on the merits, and thus:
 - (X) no certification and/or fee is required.
 - b. () after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:
 - () the certification of paragraph 2 below is provided,
 - () a fee of \$240.00 is enclosed.



C. () after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: () the certification of paragraph 2 below is provided. () the Petition of paragraph 3 below is provided and \$130.00 fee therefor is enclosed. 2. It is hereby certified () that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or () that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement. 3. () Petition under 37 CFR 1.97 for consideration of this Information Disclosure Statement is hereby made. 4. 0 Consideration of the following additional information (including any co-pending or abandoned U.S. application, prior uses and/or sales, etc.) is requested: 5. 0 For each non-English language reference listed on the attached Form PTO-1449: 0 reference is made to an English language translation or abstract submitted herewith, and/or reference is made to a foreign patent office search report (in the English 0 language) submitted herewith, and/or 0 reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or - 2 -

- () reference is made to the concise explanation contained in the specification of the present application at page(s), and/or
 - O reference is made to the concise explanation set forth below:
- 6. O Applicant also offers the following comments for the Examiner's consideration:
- 7. O Also enclosed is a copy of the European Search Report citing these references.

Respectfully submitted,

Edwin Southern

By Warren M. Cheek, Jr.

Registration No. 33,367 Attorney for Applicant

WMC/dlk Washington, D.C. Telephone (202) 721-8200 October 22, 1999

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	AA	4,563,419	1/1986	Ranki et al.		435		6		····
	AB	4,704,353	11/1987	Humphries et	al.	435		4		
	AC	4,728,502	3/1988	Hamill		422		116		
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	AE	2,156,074	10/1985	United Kingdo Pa	om, lva et al.					
	AF	0,237,362	9/1987	EP, Erlich						
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	Al	0235726A3	9/1987	Europe, Datt	agupta et al	•				
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	AK	0281927A2	9/1988	Europe, Datt	agupta et al	•				
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	AN	W086/06487	11/1986	PCT, Geysen	ı					
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:	AO	G. Beltz et al.,	Methods in Er	nzymology, <u>10</u>	<u>0,</u> 266-285 (1	983).				
	AP	E.M. Southern	et al., <u>Genom</u>	ics, <u>13</u> , 1008-	1017 (1992).					
	ΔQ	Y.P. Lysov et a	I., <u>Dokl. Akad</u>	<u>.</u> , <u>303</u> , 1508-	1511 (1988) (with Eng	glish tra	inslation).		
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	ВА	4,216,245	8/1980	Johnson		427		2		
	ВВ	4,395,486	7/1983	Wilson et al.		435		6		
	вс	4,656,127	4/87	Mundy		435		6		<u>-</u>
	BD	5,164,319	11/92	Hafeman e	t al.	435		291		
	BE	5,002,867	3/91	Macevicz		435	<u> </u>	6		·
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	BJ	F. Kafatos et a	I., <u>Nucleic Ac</u>	ids Research, 7	(6), 1541-15	52 (197	79).			
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	BL	V.J. Kidd et al.	, <u>Nature</u> , <u>304</u>	<u>1,</u> 230-234 (19	83).					
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	СЛ	Gingeres et al.,	Nucleic Acid	ls Research, Vo	ol. 15, No. 13	, pp. 53	373-539	90 (1987).		
	СК	U.B. Voss et al	., <u>Biochemica</u>	I Society Trans	sactions, 6241	th Meeti	ing, Dut	olin, 216-217	(1987).	
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	CN	L.J. Arnold et a	al., <u>Federation</u>	Proceedings,	43(7), Abstrac	ct No. 3	3669 (1	984).		
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	DE	C.R. Cantor et	al., <u>Genomics</u>	<u>s, 13</u> 1378-138	33 (1992).					
	DF	G.M. Church et	t al., <u>Proc. Na</u>	atl. Acad. Sci. L	JSA, <u>81</u> 1991-	1995 (1984).			
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	DH	R. Frank, <u>Nucle</u>	ic Acids Rese	earch, <u>11</u> (13),	4365-4377 (19	983).				
	DI	A.R. Brautigam	et al., <u>J. Cli</u>	n. Microbiol., <u>1</u>	<u>2</u> (2), 226-234	(1980)		-		
	DJ	A. Rosenthal e	t al., <u>Nucleic</u>	Acids Research	, <u>13</u> (4), 1173-	1184 (1985).			
	DK	B. Lewin, Gene	es, 3rd Ed., J	ohn Wiley & Sc	ons, pp. 360-36	62 (198	33).			
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	DM	M.S. Urdea et	al., <u>Gene, 61</u>	, 253-264 (198	37).					
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